

Ser. No. 10/707,949

Patent

IN THE CLAIMS

RECEIVED
CENTRAL FAX CENTER

MAY 16 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the applicant and/or assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

Listing of Claims:

1. (Currently Amended) A digital image capturing apparatus comprising:
 - a housing;
 - a first hole installed on the front side of the housing ~~for~~ capable of receiving ~~inputting~~ light from the front, the first hole having a first central axis;
 - a second hole installed on the rear side of the housing ~~for~~ inputting capable of receiving light from the rear, the second hole having a central axis substantially parallel with the first central axis;
 - a reflector module installed in the housing ~~for~~ capable of selectively reflecting ~~the~~ light ~~input~~ received from the first hole or the second hole, the reflector module comprising:
 - a pedestal capable of turning on a second axis;
 - a reflector installed on a side of the pedestal ~~for~~ capable of selectively reflecting ~~the~~ light from the first hole or the second hole to ~~the~~ a photosensor installed in the housing; and
 - a strobe installed on the pedestal ~~and~~ turnable capable of turning with the pedestal to allow ~~allowing~~ the strobe to be aimed substantially parallel with the first central axis in either direction for providing a light source ~~necessary~~ for the digital image capturing apparatus;
 - ~~a photosensor installed in the housing for sensing the light from the reflector module; and~~

Ser. No. 10/707,949

Patent

an image generating module installed in the housing ~~for~~ capable of generating an image according to the light sensed by the photosensor.

2. (Currently Amended) The digital image capturing apparatus of claim 1, further comprising a lens group installed between the reflector module and the photosensor ~~for~~ capable of focusing the light from the reflector module onto the photosensor.

3. (Currently Amended) The digital image capturing apparatus of claim 1, further comprising a first lens group installed between the first hole and the reflector module ~~for~~ capable of focusing the light from the first hole onto the photosensor, and a second lens group installed between the second hole and the reflector module ~~for~~ capable of focusing the light from the second hole onto the photosensor.

4. (Withdrawn) The digital image capturing apparatus of claim 1, wherein the reflector module comprises:

- a pedestal turning on a first axis;
- a first reflector installed on a first side of the pedestal for reflecting the light from the first hole to the photosensor;
- a second reflector installed on a second side of the pedestal for reflecting the light from the second hole to the photosensor; and
- a strobe installed between the front side of the pedestal and the second reflector being capable of turning along with the pedestal, for providing a light source necessary for the digital image capturing apparatus.

5. (Withdrawn) The digital image capture apparatus of claim 4, wherein the first axis is

Ser. No. 10/707,949

Patent

perpendicular to the pedestal.

6. (Withdrawn) The digital image capturing apparatus of claim 4, wherein the normal lines of the first reflector and the second reflector cross at right angles.

7. Cancelled

8. (Previously Presented) The digital image capturing apparatus of claim 1, wherein the acute angle formed by the second axis and the normal line of the reflector is 45 degrees.

9. (Withdrawn) The digital image capturing apparatus of claim 1, wherein the reflector module comprises:

a reflector turning on a third axis;

a first strobe installed on the front side of the pedestal for providing a light source necessary for the digital image capturing apparatus when the reflector turns to a direction for reflecting the light from the first hole; and

a second strobe installed on the rear side of the pedestal for providing a light source necessary for the digital image capturing apparatus when the reflector turns to a direction for reflecting the light from the second hole.

10. (Withdrawn) The digital image capturing apparatus of claim 9, wherein the third axis is perpendicular to the normal line of the reflector.

Ser. No. 10/707,949

Patent

11. (Withdrawn) The digital image capturing apparatus of claim 1, wherein the reflector module comprises:

a first reflector and a second reflector aligned on a line with their normal lines crossing at right angles;

a first strobe installed in the housing for providing a light source necessary for the digital image capturing apparatus when the first reflector turns to a direction for reflecting the light from the first hole to the photosensor; and

a second strobe installed in the housing for providing a light source necessary for the digital image capturing apparatus when the second reflector turns to a direction for reflecting the light from the second hole to the photosensor, wherein the two reflectors and the two strobes can move up and down toward the photosensor, in order to receive the light from the first reflector or the second reflector.

12. (Currently Amended) The digital image capturing apparatus of claim 1, wherein both the first hole and the second hole are installed with comprise a transparent material.

13. (Currently Amended) The digital image capturing apparatus of claim 1 being wherein the apparatus comprises at least one of a digital camera or and a digital camcorder.

14. (Currently Amended) A digital image capturing apparatus comprising:

a housing;

a lens installed on the housing, ~~moveable~~ wherein the lens is capable of moving between a first position and a second position, ~~for inputting~~ capable of receiving light from the front of the housing in the first position and from the rear of the housing in the second position;

Ser. No. 10/707,949

Patent

a reflector module installed in the housing ~~for~~ capable of reflecting the light input from the lens, the reflector module comprising:

a pedestal capable of turning on a ~~fourth~~ an axis;

a reflector installed on a side of the pedestal ~~for~~ capable of reflecting the light from the lens to the photosensor; and

a strobe installed on the pedestal and turnable ~~with~~ wherein the pedestal is capable of allowing the strobe to be aimed substantially parallel with the lens for providing a light source ~~necessary~~ to the digital image capturing apparatus;

a photosensor installed in the housing for sensing ~~the~~ light from the reflector module; and

an image generating module installed in the housing ~~for~~ capable of generating an image according to the light sensed by the photosensor.

15. (Currently Amended) The digital image capturing apparatus of claim 14, further comprising a lens group installed between the reflector module and the photosensor ~~for~~ capable of focusing the light from the reflector module onto the photosensor.

16. (Original) The digital image capturing apparatus of claim 14, wherein the reflector module is installed in the housing and is capable of moving along with the lens.

17. Cancelled

18. (Currently Amended) The digital image capturing apparatus of claim 14, wherein the acute angle formed by the ~~fourth~~ axis and the normal line of the reflector is 45 degrees.

Ser. No. 10/707,949

Patent

19. (Withdrawn) The digital image capturing apparatus of claim 14, wherein the reflector module comprises:

a first reflector and a second reflector aligned on a line with their normal lines crossing at right angles;

a first strobe installed in the housing for providing a light source necessary for the digital image capturing apparatus when the first reflector turns to a direction for reflecting the light from the lens to the photosensor; and

a second strobe installed in the housing for providing a light source necessary for the digital image capturing apparatus when the second reflector turns to a direction for reflecting the light from the lens to the photosensor, wherein the two reflectors and the two strobes can move up and down toward the photosensor in order to reflect the light from the lens.

20. (Currently Amended) The digital image capturing apparatus of claim 14, wherein the apparatus comprises at least one of being a digital camera [[or]] and a digital camcorder.

21-22. Cancelled

23. (Previously Presented) The digital image capturing apparatus of claim 1, wherein the second axis is perpendicular to a shortest line connecting the front side of the housing to the rear side of the housing.

24. (Currently Amended) The digital image capturing apparatus of claim 23, wherein an angle formed by the second axis and a normal line of the reflector [[is]] comprises approximately 45 degrees,

Ser. No. 10/707,949

Patent

and wherein an angle formed by the second axis and a line along which the strobe is aimed ~~[[is]]~~ comprises approximately 90 degrees.

25-26. Cancelled

27. (Previously Presented) The digital image capturing apparatus of claim 1, wherein the second axis is perpendicular to the first central axis.

28. (Currently Amended) A digital image capturing apparatus comprising:

a housing ~~having~~ comprising a front side and an opposite rear side, and a first central axis as a shortest line connecting the front side and the rear side;

a reflector module installed in the housing ~~for~~ capable of reflecting light input received at the front side of the housing when the reflector module is in a first position and ~~for~~ further capable of reflecting light input received at the rear side of the housing when the reflector module is in a second position, the reflector module comprising:

a pedestal capable of turning on a second axis, the second axis being perpendicular to the first central axis, the pedestal capable of turning between the first and second positions;

a reflector installed on the pedestal and capable of turning ~~turnable~~ with the pedestal to allow ~~allowing for reflecting~~ the reflector to reflect light from the front or ~~[[read]]~~ rear side of the housing to the photosensor; and

a strobe installed on the pedestal and capable of turning ~~turnable~~ with the pedestal to allow ~~allowing~~ the strobe to be aimed substantially parallel with the first central axis in either direction for providing a light source ~~necessary~~ for the digital image capturing apparatus;

Ser. No. 10/707,949

Patent

a photosensor installed in the housing ~~for~~ capable of sensing the light from the reflector module;
and
an image generating module installed in the housing ~~for~~ capable of generating an image
according to the light sensed by the photosensor.

29. (New) The digital image capturing apparatus of claim 1, wherein the reflector module
comprises:

- a pedestal capable of turning on a second axis;
- a reflector installed on a side of the pedestal capable of selectively reflecting light from the first
hole or the second hole to the photosensor; and
- a strobe installed on the pedestal capable of turning with the pedestal to provide a light source for
the digital image capturing apparatus.